

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2003/001676

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C12N 15/00, C12Q 1/25, A01K 67/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
See electronic databases

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
See electronic databases

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPDS MedLine CA: cbl gene/protein/oncogene, insulin/diabetes/glucose, metabolism/adiposity obesity/ fat deposition/appetite/food/feeding.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Khan AH, Pessin JE. Insulin regulation of glucose uptake: a complex interplay of intracellular signalling pathways. Diabetologia. 2002 Nov. 45(11): 1475-83. 2002 Oct 18. Review.	All
X	Liu Jun; Kimura Akiko; Baumann Christian A; Saltiel Alan R. APS facilitates c-Cbl tyrosine phosphorylation and GLUT4 translocation in response to insulin in 3T3-L1 adipocytes. Molecular and Cellular Biology, (2002 Jun). 22 (11) 3599-609.	All
X	Yokoi Norihide; Komeda Kajuro; Wang He-Yao; Yano Hideki; Kitada Kazuhiro; Saitoh Yuka; Seino Yutaka; Yasuda Kazuki; Serikawa Tadao; Seino Susumu. Cblb is a major susceptibility gene for rat type 1 diabetes mellitus. Nature Genetics, (2002 Aug) 31 (4) 391-4.	All

☒ Further documents are listed in the continuation of Box C

☐ See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
23 January 2004

Date of mailing of the international search report
30 JAN 2004

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaaustralia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

Gillian Allen
Telephone No : (02) 6283 2266

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C (Continuation).

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Chiang SH, Baumann CA, Kanzaki M, Thurmond DC, Watson RT, Neudauer CL, Macara IG, Pessin JE, Saltiel AR. Insulin-stimulated GLUT4 translocation requires the CAP-dependent activation of TC10. Nature, 2001 Apr 19; 410(6831): 944-8.	All
X	Ahmed Z, Smith BJ, Pillay TS. The APS adapter protein couples the insulin receptor to the phosphorylation of c-Cbl and facilitates ligand-stimulated ubiquitination of the insulin receptor. FEBS Lett. 2000 Jun 9; 475(1): 31-4.	All
X	Baumann CA, Ribon V, Kanzaki M, Thurmond DC, Mora S, Shigematsu S, Bickel PE, Pessin JE, Saltiel AR. CAP defines a second signalling pathway required for insulin-stimulated glucose transport. Nature. 2000 Sep 14; 407(6801): 202-7.	All